

Fact Sheet



For Final Minor Modification and Administrative Amendment Actions Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification and Administrative Amendment, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on July 11, 2011.

Permit Number: **R30-10300006-2011**
Application Received: **January 13, 2016**
Plant Identification Number: **10300006**
Permittee: **Dominion Transmission, Inc.**
Facility Name: **Hastings Compressor Station**
Mailing Address: **925 White Oaks Blvd.**
Bridgeport, WV 26330

Permit Action Number: MM01 and AA01

Revised: August 16, 2016

Physical Location:	Pine Grove, Wetzel County, West Virginia
UTM Coordinates:	528.09 km Easting • 4377.66 km Northing • Zone 17
Directions:	From Clarksburg take Route 20 North approximately 37 miles to Hastings Station on left side of the road.

Facility Description

Hastings Compressor Station is a natural gas facility covered by Standard Industrial Classification (SIC) Code 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. This facility (compressor station) includes three adjacent facilities covered by this Title V permit. The facilities and equipment they currently consist of are as follows:

- 1) Hastings Station – production facility (underlying permit - R13-3249B):
 - two (2) 500 HP Cooper GMXE-6 engines,
 - one (1) 7.5 mmscf/day glycol dehydration unit with flare,
 - one (1) 0.55 MMBtu/hr reboiler,
 - one (1) 10.0 MMBtu/hr pipeline heater,
 - one (1) natural gas fired auxiliary generator rated at 350HP for emergency use.
 - One (1) Generac QT080 Auxillary Generator rated at 128 hp (80 kW);

- 2) Mockingbird Hill Station (underlying permit - R13-2555C) – transmission facility:
 - two (2) 87 HP Capstone Microturbines,
 - one (1) 80 HP Capstone Microturbine,
 - one (1) 8175 HP Solar Taurus 60 Turbine,
 - one (1) 1.25 MMBtu/hr
- 3) Lewis Wetzel Station (underlying permit - R13-2870A) – transmission facility:
 - one (1) 3,550 HP Caterpillar Model 3612 Compressor Engine,
 - one (1) 530 HP Cummins Model KTA19G Auxiliary Generator,
 - one (1) 4.5 MMBtu/hr natural gas fired boiler

This minor modification and administrative amendment include changes covered by recently issued permits R13-2555C and R13-3249B and related to Hastings and Mockingbird Hill Stations:

- 1) Since the Generac QT080 Auxillary Emergency Generator (AUX06), previously listed under Mockingbird Hill Station, physically is located closer to the Hastings Station, its requirements were moved from the permit R13-2555B to the permit R13-3249A.
- 2) As the result of failures of the microturbines AUX02 and AUX03 powerheads, they were replaced with the new powerhead units in 2015 and 2011 respectively. It increased power output for 7 hp for each unit, and caused PTE increase. Corresponding changes were done to the permit.

Emissions Summary

The following emission changes are associated with this modification:

Regulated Pollutants	PTE change, TPY
VOC	+0.04
PM ₁₀	-0.01
SO ₂	+0.03
Total HAPs	-0.03

Title V Program Applicability Basis

With the proposed changes associated with this minor modification and administrative amendment, this facility maintains potential to emit over 100 TPY of NO_x, CO and VOCs. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Dominion Transmission, Inc. is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This modification has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Pre-construction permit
	45CSR16	Standards of Performance for New Stationary Sources Pursuant to 40 C.F.R. 60 (NSPS)
	45CSR30	Operating permit requirement
	45CSR34	National Emission Standards for Hazardous Air Pollutants for Source Categories Pursuant to 40 C.F.R. 63 (NESHAP)
	40 C.F.R. 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
	40 C.F.R. 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

The following are the only permits related to this modification:

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-2555C	May 2, 2016	
R13-3249B	May 2, 2016	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

Determinations and Justifications

1. Emission Units Table 1.1 – revised to move the Generac QT080 Auxillary Emergency Generator (AUX06), previously listed under Mockingbird Hill Station section of the Table to Hastings Station section of the Table. Also, the dates of the modifications of microturbines AUX02 and AUX03 were added along with the revised design capacities.
2. Requirement 7.1.1 – emission limits table was revised to reflect changed emission rates for the modified microturbines AUX02 and AUX03.
3. Sections 6.0 and 7.0 - Auxillary Emergency Generator (AUX06) requirements 7.1.9 through 7.1.11, 7.2.1 and 7.4.2 were moved from Section 7.0 to Section 6.0, and were re-numbered to conditions 6.1.2 through 6.1.4, 6.2.2 and 6.4.2.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

1. Requirements 7.3.5 and 7.5.3 – these Auxillary Emergency Generator (AUX06) requirements were removed from the permit because the underlying R13 requirements were left out of the R13-2555C permit. Requirement 7.3.5 (performance testing per 40 C.F.R. §§60.4244(a) through (g)) is not applicable because the company has elected to purchase a generator set equipped with a certified compliance model engine to comply with 40 C.F.R. 60 Subpart JJJJ. Therefore requirement 7.5.3 (performance test reporting per 40 C.F.R. 60 Subpart JJJJ, §60.4245(d)) is not applicable as well.

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: N/A
Ending Date: N/A

Point of Contact

All written comments should be addressed to the following individual and office:

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Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments (Statement of Basis)

N/A